



IFW

PATENT

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April 11, 2005

Date

Ayesha J. Shaikh

Ayesha J. Shaikh

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant : Randy L. Schnepfer

Attorney Docket No.: 501323.01

Serial No. : 10/665,904

Group Art Unit : 2818

Filed : September 18, 2003

Examiner : Not Yet Assigned

Title : MEMORY HUB WITH INTEGRATED NON-VOLATILE MEMORY

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §§ 1.56 and 1.97 through 1.98, applicant wishes to make known to the Patent and Trademark Office the references set forth on the attached form PTO-1449. Copies of the cited foreign patent and non-patent literature references, as required under 37 C.F.R. § 1.98(a)(2), are enclosed. Copies of the cited U.S. patents and U.S. patent application publications will not be submitted herewith in accordance with the waiver by the Office of the requirement under 37 C.F.R. § 1.98(a)(2)(i) for U.S. national patent applications filed after June 30, 2003. Although the aforesaid references are made known to the Patent and Trademark Office in compliance with applicant's duty to disclose all information he is aware of which is believed relevant to the examination of the above-identified application, applicant believes that his invention is patentable.

Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/893,709, describing and claiming subject matter that is similar to the

subject matter of this application, was filed on July 15, 2004. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/963,824, describing and claiming subject matter that is similar to the subject matter of this application, was filed on October 12, 2004. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 11/041,071, describing and claiming subject matter that is similar to the subject matter of this application, was filed on January 21, 2005. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/874,698, describing and claiming subject matter that is similar to the subject matter of this application, was filed on June 22, 2004. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/813,040, describing and claiming subject matter that is similar to the subject matter of this application, was filed on March 29, 2004. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/857,467, describing and claiming subject matter that is similar to the subject matter of this application, was filed on May 28, 2004. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/846,988, describing and claiming subject matter that is similar to the subject matter of this application, was filed on May 14, 2004. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/660,844, describing and claiming subject matter that is similar to the subject matter of this application, was filed on September 12, 2003. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

Applicant also wishes to make known to the Patent and Trademark Office that applications, Serial No. 11/056,080 and Serial No. 11/056,273, describing and claiming subject matter that is similar to the subject matter of this application, were filed on February 11, 2005. These related applications, as well as any prior art cited therein, may be material to the examination of this application. A copy of these related applications as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d). The specification, claims, abstract and drawings of these related applications as filed are identical, therefore a duplicate copy is not submitted herewith.

Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/773,518, describing and claiming subject matter that is similar to the subject matter of this application, was filed on February 5, 2004. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/861,145, describing and claiming subject matter that is similar to the subject matter of this application, was filed on June 4, 2004. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 10/931,326, describing and claiming subject matter that is similar to the subject matter of this application, was filed on August 31, 2004. This related application, as well

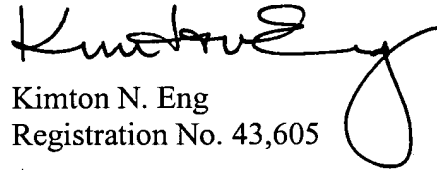
as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

Applicant also wishes to make known to the Patent and Trademark Office that an application, Serial No. 11/044,919, describing and claiming subject matter that is similar to the subject matter of this application, was filed on January 26, 2005. This related application, as well as any prior art cited therein, may be material to the examination of this application. A copy of this related application as filed is submitted herewith in accordance with 37 C.F.R. § 1.98(d).

Please acknowledge receipt of this Supplemental Information Disclosure Statement and kindly make the cited references of record in the above-identified application.

Respectfully submitted,

DORSEY & WHITNEY LLP

  
Kimton N. Eng  
Registration No. 43,605

KNE:ajs

Enclosures:

Postcard  
Form PTO-1449  
Cited References (5)  
Copies of Related Applications (13)

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Telephone (206) 903-8800  
Facsimile (206) 903-8820

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FORM PTO-1449  
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
501323.01APPLICATION NO.  
10/665,904

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

APPLICANT(S)

Randy L. Schnepfer

FILING DATE

September 18, 2003

GROUP ART UNIT

2818

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,240,143	12/16/80	Besemer et al.	364	200	
	AB	4,245,306	01/13/81	Besemer et al.	364	200	
	AC	4,253,144	02/24/81	Bellamy et al.	364	200	
	AD	4,253,146	02/24/81	Bellamy et al.	364	200	
	AE	4,707,823	11/17/87	Holdren et al.	370	1	
	AF	4,724,520	02/09/88	Athanas et al.	364	200	
	AG	4,930,128	05/29/90	Suzuki et al.	371	12	
	AH	5,241,506	08/31/93	Motegi et al.	365	210	
	AI	5,243,703	09/07/93	Farmwald et al.	395	325	
	AJ	5,269,022	12/07/93	Shinjo et al.	395	700	
	AK	5,317,752	05/31/94	Jewett et al.	395	750	
	AL	5,319,755	06/07/94	Farmwald et al.	395	325	
	AM	5,355,391	10/11/94	Horowitz et al.	375	36	
	AN	5,432,823	07/11/95	Gasbarro et al.	375	356	
	AO	5,461,627	10/24/95	Rypinski	370	95.2	
	AP	5,465,229	11/07/95	Bechtolsheim et al.	345	477	
	AQ	5,502,621	03/26/96	Schumacher et al.	361	760	
	AR	5,566,325	10/15/96	Bruce, II et al.	395	494	
	AS	5,577,220	11/19/96	Combs et al.	395	416	
	AT	5,581,767	12/03/96	Katsuki et al.	395	800	
	AU	5,606,717	02/25/97	Farmwald et al.	395	856	
	AV	5,638,334	06/10/97	Farmwald et al.	365	230.03	
	AW	5,715,456	02/03/98	Bennett et al.	395	652	
	AX	5,819,304	10/06/98	Nilsen et al.	711	5	
	AY	5,832,250	11/03/98	Whittaker	395	471	

EXAMINER

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\* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

FORM PTO-1449  
(REV.7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

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**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AZ	5,928,343	07/27/99	Farmwald et al.	710	104	
	BA	5,966,724	10/12/99	Ryan	711	105	
	BB	5,973,935	10/26/99	Schoenfeld et al.	361	813	
	BC	5,973,951	10/26/99	Bechtolsheim et al.	365	52	
	BD	5,978,567	11/02/99	Rebane et al.	395	200.49	
	BE	6,023,726	02/08/00	Saksena	709	219	
	BF	6,029,250	02/22/00	Keeth	713	400	
	BG	6,031,241	02/29/00	Silfvast et al.	250	504 R	
	BH	6,061,296	05/09/00	Ternullo, Jr. et al.	365	233	
	BI	6,076,139	06/13/00	Welker et al.	711	104	
	BJ	6,098,158	08/01/00	Lay et al.	711	162	
	BK	6,125,431	09/26/00	Kobayashi	711	154	
	BL	6,134,624	10/17/00	Burns et al.	710	131	
	BM	6,175,571 B1	01/16/01	Haddock et al.	370	423	
	BN	6,185,352 B1	02/06/01	Hurley	385	114	
	BO	6,191,663 B1	02/20/01	Hannah	333	17.3	
	BP	6,247,107 B1	06/12/01	Christie	711	216	
	BQ	6,249,802 B1	06/19/01	Richardson et al.	709	200	
	BR	6,294,937 B1	09/25/01	Crafts et al.	327	158	
	BS	6,370,068 B2	04/09/02	Rhee	365	196	
	BT	6,401,213 B1	06/04/02	Jeddeloh	713	401	
	BU	6,405,280 B1	06/11/02	Ryan	711	105	
	BV	6,430,696 B1	08/06/02	Keeth	713	503	
	BW	6,434,696 B1	08/13/02	Kang	713	2	
	BX	6,434,736 B1	08/13/02	Schaecher et al.	716	17	

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FORM PTO-1449  
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE  
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**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	BY	6,438,622 B1	08/20/02	Haghighi et al.	710	1	
	BZ	6,449,308 B1	09/10/02	Knight, Jr. et al.	375	212	
	CA	6,453,393 B1	09/17/02	Holman et al.	711	154	
	CB	6,479,322 B2	11/12/02	Kawata et al.	438	109	
	CC	6,490,188 B2	12/03/02	Nuxoll et al.	365	63	
	CD	6,501,471 B1	12/31/02	Venkataraman et al.	345	424	
	CE	6,594,722 B1	07/15/03	Willke, II et al.	710	313	
	CF	6,598,154 B1	07/22/03	Vaid et al.	712	237	
	CG	6,615,325 B2	09/02/03	Mailloux et al.	711	154	
	CH	6,628,294 B1	09/30/03	Sadowsky et al.	345	568	
	CI	6,629,220 B1	09/30/03	Dyer	711	158	
	CJ	6,646,929 B1	11/11/03	Moss et al.	365	194	
	CK	6,658,509 B1	12/02/03	Bonella et al.	710	100	
	CL	6,662,304 B2	12/09/03	Keeth et al.	713	400	
	CM	6,667,895 B2	12/23/03	Jang et al.	365	63	
	CN	6,697,926 B2	02/24/04	Johnson et al.	711	167	
	CO	6,718,440 B2	04/06/04	Maiyuran et al.	711	137	
	CP	6,721,195 B2	04/13/04	Brunelle et al.	365	63	
	CQ	6,724,685 B2	04/20/04	Braun et al.	365	233	
	CR	6,728,800 B1	04/27/04	Lee et al.	710	54	
	CS	6,735,679 B1	05/11/04	Herbst et al.	711	167	
	CT	6,735,682 B2	05/11/04	Segelken et al.	711	220	
	CU	6,745,275 B2	06/01/04	Chang	710	305	
	CV	6,751,703 B2	06/15/04	Chilton	711	113	
	CW	6,754,812 B1	06/22/04	Abdallah et al.	712	234	

EXAMINER

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**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	CX	6,756,661 B2	06/29/04	Tsuneda et al.	257	673	
	CY	6,760,833 B1	07/06/04	Dowling	712	34	
	CZ	6,771,538 B2	08/03/04	Shukuri et al.	365	185.05	
	DA	6,775,747 B2	08/10/04	Venkatraman	711	137	
	DB	6,789,173 B1	09/07/04	Tanaka et al.	711	147	
	DC	6,792,059 B2	09/14/04	Yuan et al.	375	354	
	DD	6,792,496 B2	09/14/04	Aboulenein et al.	710	306	
	DE	6,795,899 B2	09/21/04	Dodd et al.	711	137	
	DF	6,799,246 B1	09/28/04	Wise et al.	711	117	
	DG	6,799,268 B1	09/28/04	Boggs et al.	712	228	
	DH	6,804,760 B2	10/12/04	Williams	711	170	
	DI	6,804,764 B2	10/12/04	LaBerge et al.	711	170	
	DJ	6,807,630 B2	10/19/04	Lay et al.	713	2	
	DK	6,816,947 B1	11/09/04	Huffman	711	151	
	DL	6,820,181 B2	11/16/04	Jeddeloh et al.	711	169	
	DM	6,823,023 B1	11/23/04	Hannah	375	296	
	DN	2001/0039612 A1	11/08/01	Lee	713	2	
	DO	2002/0116588 A1	08/22/02	Beckert et al.	711		
	DP	2003/0043158 A1	03/06/03	Wasserman et al.	345	545	
	DQ	2003/0093630 A1	05/15/03	Richard et al.	711	154	
	DR	2003/0163649 A1	08/28/03	Kapur et al.	711	146	
	DS	2003/0177320 A1	09/18/03	Sah et al.	711	158	
	DT	2003/0193927 A1	10/16/03	Hronik	370	351	
	DU	2004/0022094 A1	02/05/04	Radhakrishnan et al.	365	200	
	DV	2005/0071542 A1	03/31/05	Weber et al.	711	105	

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**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	DW	WO 93/19422	09/30/93	PCT				
	DX	WO 02/27499 A2	04/04/02	PCT				
	DY	EP0849685A2	06/24/98	EP				
	DZ							
	EA							

**OTHER PRIOR ART** *(Including Author, Title, Date, Pertinent Pages, Etc.)*

	EB	Intel, "Flash Memory PCI Add-In Card for Embedded Systems", Application Note AP-758, September, 1997, pp. i-13.
	EC	Shanley, T. et al., "PCI System Architecture", Third Edition, Mindshare, Inc., 1995, pp. 24-25.
	ED	
	EE	
	EF	
	EG	
	EH	
	EI	
	EJ	
	EK	

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